**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

In re Application of: Dwight H. Warkentin
For: MECHANICALLY-BASED INTERVAL OPTIMIZATION FOR A BIVENTRICULAR PACING ENGINE
Serial No.: 10/629,075
Filed: 7/29/2003

CERTIFICATE OF MAILING UNDER 37 CFR 1.8: I hereby certify that this **INFORMATION DISCLOSURE STATEMENT** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 21st day of May, 2004.

Molly Chlebeck
Signature
Molly Chlebeck
Printed Name

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Information Disclosure Statement
- ☒ PTO FORM 1449
- ☒ Copies of the 1st pages of the cited references
- ☒ Return Postcard

FEE CALCULATION

- ☒ \$ 00.00 Pursuant to 37 CFR §1.97(b) (before mailing of first Office Action)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification (cited in foreign application not more than 3 months earlier)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(c) without Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(d) with Certification

☐ Applicant hereby petitions for a _____ months' extension of time. If an additional extension of time is required, please consider this petition therefor.

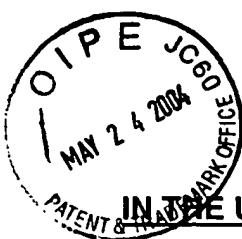
☒ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.

☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

Date

21 May 04

Paul H. McDowall
Paul H. McDowall
Reg. No. 34,873
Telephone: (763) 514-3351
Customer No. 27581



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Dwight H. Warkentin) Art Unit: 3762
)
Serial No.: 10/629,075) Examiner: Unknown
)
Filed: 7/29/2003) Docket: P-9003.00

For: **MECHANICALLY-BASED INTERVAL OPTIMIZATION FOR A BIVENTRICULAR PACING ENGINE**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date:

21 May '04

By:

Paul H. McDowall

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Telephone: (763) 514-3351

Customer No. 27581

FORM PTO-1449

(Rev. 2-32)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.:

P9003.00

SERIAL NO:

10/629,075

APPLICANT: Dwight H. Warkentin

FILING DATE:
7-29-2003GROUP:
To be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE ISSUED	INVENTOR NAME	U.S. CLASS	U.S. SUB- CLASS	FILING DATE IF APPROPRIATE
	AA	6,285,907 B1	9/04/2001	Kramer et al.			
	AB	6,221,024 B1	4/24/2001	Miesel			
	AC	6,171,252 B1	1/09/2001	Roberts			
	AD	6,144,880	11/07/2000	Ding et al.			
	AE	6,129,744	10/10/2000	Boute			
	AF	6,070,100	5/30/2000	Bakels et al.			
	AG	6,058,329	5/02/2000	Salo et al.			
	AH	6,044,298	3/28/2000	Salo et al.			
	AI	5,902,324	5/11/1999	Thompson et al.			
	AJ	5,836,987	11/17/1998	Baumann et al.			
	AK	5,797,970	8/25/1998	Pouvreau			
	AL	5,792,203	8/11/1998	Schroeppel			
	AM	5,720,768	2/24/1998	Verboven-Nelissen			
	AN	5,674,259	10/7/1997	Gray			
	AO	5,626,623	5/06/1997	Kieval et al.			
	AP	5,584,867	12/17/1996	Limousin et al.			
	AQ	5,564,434	10/15/1996	Halperin et al.			
	AR	5,540,727	7/30/1996	Tockman et al.			
	AS	5,514,161	5/07/1996	Limousin			
	AT	5,487,752	1/30/1996	Salo et al.			
	AU	5,417,717	5/23/1995	Salo et al.			
	AV	5,403,356	4/04/1995	Hill et al.			

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	AW	5,368,040	11/29/1994	Carney			
	AX	5,267,560	12/07/1993	Cohen			
	AY	5,174,289	12/29/1992	Cohen			
	AZ	4,928,688	5/29/1990	Mower			
	BA	4,548,203	10/22/1985	Tacker, Jr. et al.			
	BB	4,458,677	7/10/1984	McCorkle, Jr.			
	BC	4,354,497	10/19/1982	Kahn			
	BD	4,332,259	6/01/1982	McCorkle, Jr.			
	BE	4,088,140	5/09/1978	Rockland et al.			
	BF	3,937,226	2/10/1976	Funke			
	BG	2003/0004548	1/02/2003	Warkentin			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE PUBLICATION	COUNTRY	INT. CLASS	INT. SUB- CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

	BG	Baig et al., "The Hemodynamics of Cardiac Pacing: Clinical and Physiological Aspects", <i>Progress in Cardiovascular Diseases</i> , Vol. XXXIII, No. 5, pp. 283-298, (March/April 1991).
	BH	Cazeau et al., "Four Chamber Pacing in Dilated Cardiomyopathy", <i>PACE</i> , Volume 17, Part II, pp. 1974-1979, (November 1994).
	BI	Daubert et al., "Permanent Dual Atrium Pacing in Major Intra-atrial Conduction Blocks: A Four Years Experience", <i>PACE</i> , Volume 16, Part II, pp. 885, (April 1993).
	BJ	Daubert et al., "Permanent Left Ventricular Pacing With Transvenous Leads Inserted Into The Coronary Veins", <i>PACE</i> , Volume 21, Part II, pp. 239-245, (January 1998).
	BK	Daubert et al., "Renewal of Permanent Left Atrial Pacing via the Coronary Sinus", <i>PACE</i> , Volume 15, Part II, pp. 572, (April 1992).
	BL	Kass et al., "Improved Left Ventricular Mechanics From Acute VDD Pacing in Patients With Dilated Cardiomyopathy and Ventricular Conduction Delay", <i>Circulation</i> , pp. 1567-1573 (March 30, 1999).

EXAMINER

DATE CONSIDERED

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